BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED TENDER SCHEDULE –'B'

Name of Work:-Construction of Additional Class rooms at Kondappa layout in ward no:02 of yelahanka sub division

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP.	
				Rate	Rate in Words
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2013-14	Cum	21.60	124.02	Rupees one hundred twenty four and paise two only
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS, 2.1(a) / 2.3.5, No. 6 Item. No. 2.3/ PWD SR 2013-14	Cum	178.65	148.90	Rupees one hundred forty eight and paise ninety Paise only
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing lipper st loading with front end loader dumpling turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M 100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2013-14)	Cum	178.65	78.24	Rupees Seventy eight and paise twenty four only
3	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix M7.5 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum	33.61	4211.38	Rupees four thousand two hundred eleven and paise thirty eight only

4	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2013-14	Cum	27.47	3484.22	Rupees three thousand four hundred eighty [illegible] and paise twenty two only
5	KSRB 5.3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2013-14	Cum	9.16	4002.50	Rupees four thousand two and paise fifty six only
6	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 122/ Item No. 15.1 / PWD SR 2013-14	Sqm	16.80	78.44	Rupees Seventy eight and paise forty four only
7	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of nominal mix M 15 using 20mm and down size graderf granite metal, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No. KBS 4.1,4.2, No.12/ Item No. 4.6/ PWD SR 2013-14	Cum	4.86	4690.50	Rupees four thousand six hundred ninety and paise fifty only
8	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2013-14	Cum	58.55	99.64	Rupees ninety nine and paise sixty four only
10	KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, Page No. 30/ Item No. 6.7/ PWD SR 2013-14	Cum	42.43	5916.92	Rupees five thousand nine hundred sixteen and paise ninety two only
11	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal course aggregates @0.878cum and fine aggregates @0.459cum with superplasteisire @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, sinuls, bullresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14	Cum	78.30	5535.32	Rupees five thousand five hundred thirty five and paise thirty two only

11	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 15/ Item No. 4.19/ PWD SR 2013-14	Sqm	20.70	405.98	Rupees four hundred five and paise ninety eight only
16	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.40/ PWD SR 2013-14	Qnt.	95.83	7144.04	Rupees seven thousand one hundred forty four and paise four only
13	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14	Sqm	131.02	239.56	Rupees two hundred thirty nine and paise fifty six only
14	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.37/ PWD SR 2013-14	Sqm	35.73	242.74	Rupees two hundred forty two and paise seventy four only
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.29/ PWD SR 2013-14	Sqm	116.78	284.08	Rupees two hundred eighty four and paise eight only
17	Supplying and fixing pressed steel door frames size 125 x 65 mm manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Hoone wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer cost, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 (P.45/I.7.26).	Sqm	8.19	3710.00	Rupees three thousand seven hundred ten only

18	Providing and fixing cold rolled polepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanished on both sides 120gms/sq mtr. Primer coat upto 5microns with thermosetting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles in approximately 46x52mm for external formes, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws. The shutters are provided with approved quality of fixteres like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated.4mm tinted glass should be fixed with EPDM gaskets. Cujird bars fabricated out of 10mm square bright bars shall be fixed horizonatally at 125mm C/C by revetting to the external frame. The abovve frames are fixed to the concrete / masonry walls by means of self expanding screws." (P 36 / I, 7 24 I)	Sqm	8.24	3731.20	Rupees three thousand seven hundred thirty one and paise twenty only
18	KSRB 19.2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application: (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm containing admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix : 4 admixed with proprietary water proofing compound and finally finishing the surface with	Sqm	117.45	779.10	Rupees seven hundred seenty nine and paise ten only
19	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever reuired smooth rendering. : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.10 / PWD SR 2013-14	Sqm	199.47	138.86	Rupees one hundred thirty nine and paise eighty six only
20	KSRB 15.3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No. 122/ Item No. 15.11 / PWD SR 2013-14	Sqm	258.46	124.02	Rupees one hundred twenty four and paise two only
21	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 123/ Item No. 15.21 / PWD SR -2009-10	Sqm	83.64	163.24	Rupees one hundred sixty three and paise twenty four only
22	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 124/ Item No. 15.33 / PWD SR 2013-14	Sqm	342.10	19.08	Rupees nineteen and paise eight only
23	KSRB 14.7-2 :Providing and laying red oxide flooring 40mm thick with an under layer of 30mm thick M15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using b3.5 kg of red oxide per 50kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) including cost of materials, labour, curing complete as per specifications. Specification No.KBS 14.3 Page No. 111/ Item No. 14.9 / PWD SR 2013-14	Sqm	83.64	506.68	Rupees five hundred six and paise sixty eight only
24	Providing and applying Putty for filling holes(Material components Sl No. 761, Code No. 0315, Page No. XXVII)	Sqm	171.05	80.00	Rupees eighty only

25	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.126/ Item No. 15.51 / PWD SR 2013-14	Sqm	342.10	63.07	Rupees sixty three and paise seven only
26	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all din and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 127/ Item No. 15.53.2 / PWD SR 2013-14 with primer	Sqm	199.47	78.44	Rupees Seventy eight and paise forty four only
27	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 128/ Item No. 15.60 / PWD SR 2013-14	Sqm	32.85	78.44	Rupees Seventy eight and paise forty four only
1 4/8	. Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. f Point wiring using class A Materials a) Short point upto 3Mtrs from tapping point to out let via switch	Each	7.00	175.00	Rupees one hundred seventy five only
	b) Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	Each	10.00	260.00	Rupees two hundred sixty only
	c) Long point above 6Mtrs upto 10Mtrs from Tapping point to out let via switch	Each	5	368.00	Rupees three hundred sixty eight only
2 1/2	CONCEALED CONDUIT SYSTEM: Supplying ..... mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. a) 19/20mm dia 2mm thick	Per.Mtr	85	32.00	Rupees thirty two only
3 18/8	Supplying and fixing of modular switch/Sapcket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. 6 Amps one way.	Each	15	96.00	Rupees ninety six only
	c) 6 Amps 3 Way socket.	Each	15	165.00	Rupees one hundred sixty five only
	f) 1000-1200Watts Dimmer	Each	3	700.00	Rupees seven hundred only
	h) 6 Amps Bell Push.	Each	1	115.00	Rupees one hundred fifteen only

	i) 32 Amps DP Switch	Each	2	365.00	Rupees three hundred sixty five only
4 6/14	Supply and fixing of backlite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches. I) Using Group 'A' materials				
	a) 32Amps Flush/project type DP switch	Each	2.00	145.00	Rupees one hundred forty five only
	b) 16Amps Flush type SP switch	Each	2.00	85.00	Rupees eighty five only
	c) 16Amps Flush type Universal socket	Each	2.00	95.00	Rupees ninety five only
	d) 16Amps Combined switch and socket with indication	Each	2.00	176.00	Rupees one hundred seventy six only
5 6/3	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete b) 12"x9"x3" (300x228x76mm)	Each	2.00	80.00	Rupees eighty only
	c) 10"x7"x3" (254x178x75mm)	Each	4.00	68.00	Rupees sixty eight only
6 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring.				
	a) 1 sqmm	Per.Mtr	100	11.00	Rupees eleven only
	b) 1.5 sqmm	Per.Mtr	150	15.00	Rupees fiftaen only
	c) 2.5 sqmm	Per.Mtr	50	25.00	Rupees twenty five only
7 23/23	Supplying capacitor type ceiling fan complete with dawn rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system 1 48" Sweep (120 mm)a) Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Usha, Havells, Almonard)	Each	1.00	1800.00	Rupees one thousand eight hundred only
8 29/8	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely	Each	5.00	105.00	Rupees one hundred five only
9 16/2	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube a)Group'A'	Each	3.00	400.00	Rupees four hundred only
10 28/5	Fixing all types and all capacities fluorescent/false ceiling /spot light/CFL fitting indoor on the wall/ceiling /rafters/girdors using 23/0.0076" twin twisted PVC insulated wires, required nos of round blocks and clamps (if required) a)on wall/ceilling	Each	10.00	130.00	Rupees one hundred thirty only

11 68/ 1	Supplying, fixing wiring earth electrode for grounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia.	**Each**	1.00	1950.00	Rupees one thousand nine hundred fifty only
12 68/ 4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I Class 'A' PVC Cable d) 4 core 16sqmm	Per.Mtr	15.00	150.00	Rupees one hundred fifty only
13 69/ 5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/on wall/on pole as required. I. In existing trench /duct. a) 6sqmm to 16 10sqmm	Per.Mtr	50.00	8.00	Rupees eight only
14 70/ 6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7) a. In Ordinary Soil	Per.Mtr	30.00	40.00	Rupees forty only
15 70/ 9	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. a. 40 mm	Each	5.00	240.00	Rupees two hundrd forty only
16 70/ 10	Supplying and fixing L.T. cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. d. 35 Sqmm	Each	1.00	313.00	Rupees three hundrd thirteen only
18 36/ 12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. e) 5-32 Amps TPN 1) Group 'A'	Each	1.00	1005.00	Rupees one thousand five only
19 32/ 3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete. c) 63 Amps	Each	4.00	219.00	Rupees two hundred nineteen only
20 41/ 38	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. a) 14 SWG	Each	10000.00	0.37	paise thirty seven only
21 10/ 22	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws.	P/Sqcm	2500.00	0.22	paise twenty two only

22 13/ 7	Supplying push button operated direct online starter with an antiweld silver cadmium oxide contactor with replaceable fixed and moving contacts and bi-metallic thermal overload relay help in anti-corrosion treated sheet steel or iron clad closure and fixing the same to suitable capacity wires for 400/440 volts 3 phase motor/single phase motor.	Each	1.00	1607.00	Rupees one thousand six hundred seven only
23 48/ 28	Supplying and drawing PVC flexible unarmored copper control cable of approved make ii) b) 3c X 2.5sqmm	Mtr.	30.00	129.00	Rupees one hundred twenty nine only
24	Supplying of 3 phase 1 HP Motor	Nos	1.00	8000.00	Rupees eight thousand only

Signature of the Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Executive Engineer,
Yelahanka Division,
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